

# EC Declaration of Performance Murfor® RND

## CUSTOMER INFORMATION

- Unique identification code of the product: **Murfor® RND**  
with different material coating references and widths - product types see table 1.
- Type- and traceability info, allowing identification of the construction product as required pursuant to Article 11(4): is provided on the product packaging and product label.
- Intended use of the construction product in accordance with EN 845-3: 2012: Welded wire meshwork bed joint reinforcement in **STRUCTURAL USES** in wall and partitions as covered in the scope of EN845-3: 2012.
- Name, registered trade name and contact address of the manufacturer as required pursuant to Article 11(5): **NV BEKAERT SA** Bekaertstraat 2, B-8550 Zwevegem, Belgium.
- Not applicable.
- System of assessment and verification of constancy of performance of the construction product:  
**System n°3**
- Notified Lab:  
- WTCB registration nr: 1136 / B-1000 Brussel, Lombardstraat 42.  
  
Performed: Initial Type Testing and issued ITT report,  
- ITT report DE 611 X 651.
- Not applicable.
- Declared performance:  
the essential characteristics per product type are listed in table 1.
- The performance of the products identified in points 1 and 2 and listed in table 1, are in conformity with the declared performance in point 9.  
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

*Paul De Geyter, senior Quality manager NV Bekaert SA.*

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Addendum to pt 9. Declared Performance on essential characteristics – see table 1

Table 1: Declaration on essential characteristics per Murfor® RND product type - according EN 845-3: 2012

Product type	Murfor® RND/Z - 3	Murfor® RND/E - 3	Murfor® RND/S - 3	Murfor® RND/Z - 4	Murfor® RND/E - 4	Murfor® RND/S - 4	Murfor® RND/Z - 5	Murfor® RND/E - 5	Murfor® RND/S - 5	Murfor® RND/Z - 5/5	Murfor® RND/E - 5/5	Murfor® RND/S - 5/5
Type of welded steel wire meshwork	Truss											
Intended use	Welded wire meshwork bed joint reinforcement in structural uses in wall and partitions as covered in the scope of EN845-3: 2012.											
Dangerous substances	None											
Diameter + tol. - longitudinal wire (mm)	3,0 ± 0,10			4,0 ± 0,10			5,0 ± 0,10			5,0 ± 0,10		
Diameter + tol. - cross wire (mm)	3,0 ± 0,10			3,75 ± 0,10			3,75 ± 0,10			5,0 ± 0,10		
Length + tol. (mm)	3050 ± 1,5%											
Pitch + tol. (mm)	406 ± 3%											
Width + tol (mm)	30, 50, 80, 100, 150, 200, 225, 250, 280 ± 5											
Material/coating reference	R20	R22	R3	R20	R22	R3	R20	R22	R3	R20	R22	R3
Ductility class	NORMAL											
Shear load capacity of welds (N)	> 1600			> 2500			> 2500			> 2500		
Characteristic Yield Strength (N/mm²) Longitudinal wires	600	600	650	600	600	650	580	580	625	580	580	625
Characteristic Yield Strength (N/mm²) Cross wire	600	600	650	600	600	650	580	580	625	580	580	625
Bond strength (kN) with related bond length (mm)	10,40 kN on 244mm											
Anchorage length (mm)	244mm											
Masonry units and mortar	masonry units f <sub>b</sub> ≥ 5 N/mm² and general purpose mortar ≥ M5											